

## C L A I M S

1. A mobile radio apparatus for communicating over a radio channel with a base station connectable to a network for communication, comprising:

5 first communication means for communicating indirectly over a radio channel with a communication apparatus to be communicated through a base station;

10 second communication means for communicating directly over a radio channel with a communication apparatus using radio waves of lower radio transmission power than said first communication means; and

15 electronic money payment means for transmitting information on electronic money to the communication apparatus, and for making payments in electronic money, said electronic money payment means communicating with the communication apparatus capable of conducting electronic commerce by said second communication means.

20 2. The mobile radio apparatus according to claim 1, wherein said first communication means acquires information on electronic money from the communication apparatus.

25 3. The mobile radio apparatus according to claim 2, further comprising electronic money information storage means for storing the information on electronic money.

4. The mobile radio apparatus according to claim 3, wherein the information on electronic money

acquired from the communication apparatus is stored in said electronic money information storage means.

5        5. The mobile radio apparatus according to claim 3, wherein said electronic money payment means pays the information on electronic money stored in said electronic money information storage means to the communication apparatus by said second communication means.

10       6. The mobile radio apparatus according to claim 1, wherein said second communication means communicates by means of Bluetooth radio communication.

15       7. The mobile radio apparatus according to claim 1, further comprising menu information acquisition means for acquiring menu information indicates contents of service supplied over radio channels by the communication apparatus, said menu information acquisition means communicating with the communication apparatus capable of conducting electronic commerce through said second communication  
20       means.

8. The mobile radio apparatus according to claim 1, further comprising:

25       number-of-transactions storage means for storing, for each of the communication apparatus, the number of transactions conducted with the communication apparatus capable of conducting electronic commerce through said second communication means; and

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menu information storage means for storing menu information for the communication apparatus with the number of the transactions stored in said number-of-transactions storage means equal to or larger than a  
5 preset value.

9. The mobile radio apparatus according to claim 8, further comprising:

number-of-transactions deciding means for deciding whether the number of transactions with the communica-  
10 tion apparatus communicated by means of radio is equal to or larger than a preset value, owing to reference to information stored in said number-of-transactions storage means, when said second communication means communicates by means of radio with said communication  
15 apparatus capable of conducting electronic commerce; and

display means for displaying the menu information for the communication apparatus stored in said menu information storage means, when said number-of-  
20 transactions deciding means decides that the number of transactions is equal to or larger than the preset value.

10. The mobile radio apparatus according to claim 1, further comprising electronic money  
25 information storage means for storing information on electronic money.

11. The mobile radio apparatus according to

claim 10, wherein said electronic money information storage means stores subscriber's information with which communication by said first communication means can be established.

5           12. The mobile radio apparatus according to claim 10, wherein said electronic money information storage means is removable.

10           13. The mobile radio apparatus according to claim 10, wherein, in a case where electronic money is paid to the communication apparatus,

15           when an amount of the electronic money is equal to or larger than a preset amount of electronic money and larger than a remaining amount of electronic money, a corresponding amount of the electronic money is withdrawn from a bank account by use of said first communication means, and

20           when an amount of the electronic money is less than the preset amount of electronic money and equal to or less than a remaining amount of electronic money, a corresponding amount of the electronic money is withdrawn from said electronic money information storage means.

25           14. A mobile radio apparatus for communicating over a radio channel with a base station connectable to a network for communication, comprising:

          first communication means for communicating indirectly over a radio channel with a communication

second communication means for communicating  
5 directly over a radio channel with a communication  
apparatus using lower radio transmission power than  
said first communication means;

second electronic money storage means for storing information on electronic money, said second electronic money storage means storing the information with a different standard from a standard of said first electronic money storage means; and

15. The mobile radio apparatus according to claim 14, wherein said first communication means

acquires information on electronic money from the communication apparatus, and stores the information on electronic money in said first and second electronic money storage means.

5           16. The mobile radio apparatus according to claim 14, wherein said second electronic money storage means is removable.

10           17. The mobile radio apparatus according to claim 14, further comprising electronic money transfer means for transferring information on electronic money between said first electronic money storage means and said second electronic money storage means.

15           18. The mobile radio apparatus according to claim 14, further comprising electronic money withdrawal means for withdrawing information on electronic money through at least one of said first communication means and said second communication means, and for storing the information in said second storage means.

20           19. The mobile radio apparatus according to claim 14, wherein said electronic money payment means pays the information on electronic money stored in at least one of said first electronic money storage means and second electronic money storage means to the  
25           communication apparatus by said second communication means.

20. The mobile radio apparatus according to

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when an amount of the electronic money is equal to or less than an amount of the electronic money in said first electronic money storage means, information on electronic money is withdrawn from said first electronic money storage means, and

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